



CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Mr. James Filippini  
Mr. Douglas Lamb  
Water Division Compliance Branch  
United States Environmental Protection Agency, Region V  
77 West Jackson Boulevard (WC-15J)  
Chicago, Illinois 60604-3590

September 10, 2010  
PJ/DW

**RECEIVED**  
SEP 17 2010  
Water Enforcement &  
Compliance Assurance Branch  
U.S. EPA Region 5

Subject: Annual Dock Wall Observation and Repair  
Consent Decree – Case No. 2:96-CV-96-RL-1  
ArcelorMittal Burns Harbor LLC

Dear Messrs. Filippini and Lamb:

Attachment 1 is the summary report of the annual dock wall inspection for 2009. This document summarizes the results of the annual dock wall observation that was conducted on August 14, 2010 by Weaver Boos consultants, LLC., a contractor to ArcelorMittal Burns Harbor, as required by Paragraph 21 of the subject decree.

During the annual observation, ten (10) locations were found along the dock wall with discernible discharges of flowing water. An oral notification regarding these findings was made to Mr. Gerald Golubski (EPA 5 Water Division) and Ms. Susan Prout (EPA 5 Office of Regional Counsel) by T. E. Kirk on August 16, 2010.

All of the locations were found in the coffer dam section of the dock wall. The height above the Lake Michigan level and the estimated flow from each location is noted in the report included as Attachment 1.

Samples were obtained from all locations and submitted to a contract analytical laboratory for nitrogen-ammonia analysis. The results of these analyses are provided in Attachment 2. The results are also summarized in the Attachment 1 table and used to estimate the amount of ammonia discharged, on a daily basis, from these locations.

Digital photographs of each of the locations were also obtained and are provided in Attachment 3.



# ArcelorMittal

The sealing of the locations from the harbor side of the dock wall began on September 3, 2010 and was completed on September 10. Photographs of the locations after repair/sealing are provided in Attachment 4.

No one particular cause for the discharges was identified. Because all of the discharges were observed along the coffer dam section of the harbor wall, it is surmised that these concrete cellular revetments were discharging accumulated stormwater runoff that had inadvertently seeped through the caps of these structures. Therefore, the source of the water is not groundwater that is adequately being controlled by the dewatering well system. Based on the ammonia concentrations and estimated flows summarized in Attachment 1, less than one quarter pound of ammonia per day was being discharged to the harbor from all 10 locations. Notwithstanding, Burns Harbor responded as quickly as possible to the identification of the locations in order to timely minimize and/or eliminate any potential impact.

If there are any questions concerning this matter, please contact T. E. Kirk or me at (219) 787-2712.

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein and that I have made a diligent inquiry of those individuals immediately responsible for obtaining the information and that to the best of my knowledge and belief, the information submitted herewith is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Very truly yours,

R. A. Maciel, Manager  
Environmental Management Department

Attachments

CC: G. Golubski, EPA Region 5 Water Division (WC-15J)

ArcelorMittal Burns Harbor, LLC  
Annual Dock Wall Observation  
Consent Decree – Case No. 2:96-CV-96-RL-1

Attachment 1 – Summary Report of the Annual dock Wall Inspection

ArcelorMittal Burns Harbor, LLC  
 August 14, 2010 Dock Wall Inspection  
 Performed by: Weaver Boos Consultants

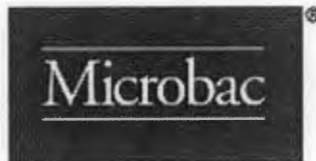
ID Number	Height Above Water (feet)	Estimated Flow Rate (Liters/minute)	Estimated Flow (Gal/Min)	Ammonia Concentration* (mg/L)	Ammonia Discharge (Pounds/day)	Date of Repair
10-1	5.0	.5	0.13	6.4	.01	09-03-10
10-2	5.0	.25	0.07	8.2	.007	09-10-10
10-3	5.0	.5	0.13	9.1	.01	09-10-10
10-4	5.0	1	0.26	5.6	.02	09-08-10
10-5	2.0	2	0.53	0.32	.002	09-09-10
10-6	5.0	2	0.53	8.2	.05	09-08-10
10-7	3.0	1	0.26	8.4	.03	09-09-10
10-8	4.0	1	0.26	12	.04	09-08-10
10-9	4.0	5	1.32	1.9	.03	09-07-10
10-10	5.0	4	1.06	0.55	.007	09-09-10

Total Potential Ammonia Discharge (pounds per day) from all locations: 0.20

\* Results reported are the larger of the sample and duplicate analysis.

ArcelorMittal Burns Harbor, LLC  
Annual Dock Wall Observation  
Consent Decree – Case No. 2:96-CV-96-RL-1

Attachment 2 – Nitrogen Ammonia Analytical Results



August 23, 2010

Arcelor Mittal USA, Inc.  
250 W US Highway 12  
Burns Harbor, IN 46304-9745

Work Order No.: 10H0653

Re: Dock Water

Dear Teri Kirk:

Microbac Laboratories, Inc. - Chicagoland Division received 20 sample(s) on 8/16/2010 9:50:00AM for the analyses presented in the following report as Work Order 10H0653.

The enclosed results were obtained from and are applicable to the sample(s) as received at the laboratory. All sample results are reported on an "as received" basis unless otherwise noted.

All data included in this report have been reviewed and meet the applicable project specific and certification specific requirements, unless otherwise noted. A qualifications page is included in this report and lists the programs under which Microbac maintains certification.

This report has been paginated in its entirety and shall not be reproduced except in full, without the written approval of Microbac Laboratories.

We appreciate the opportunity to service your analytical needs. If you have any questions, please feel free to contact us.

Sincerely,  
Microbac Laboratories, Inc.

A handwritten signature in black ink that reads "Carey Gadzala". The signature is written in a cursive, flowing style.

Carey Gadzala  
Project Manager



**WORK ORDER SAMPLE SUMMARY****Date:** *Monday, August 23, 2010***Client:** Arcelor Mittal USA, Inc.**Project:** Dock Water**Lab Order:** 10H0653

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
10H0653-01	10-1		08/14/2010 09:37	8/16/2010 9:50:00AM
10H0653-02	10-2		08/14/2010 10:00	8/16/2010 9:50:00AM
10H0653-03	10-3		08/14/2010 10:15	8/16/2010 9:50:00AM
10H0653-04	10-4		08/14/2010 10:25	8/16/2010 9:50:00AM
10H0653-05	10-5		08/14/2010 10:35	8/16/2010 9:50:00AM
10H0653-06	10-6		08/14/2010 10:42	8/16/2010 9:50:00AM
10H0653-07	10-7		08/14/2010 10:45	8/16/2010 9:50:00AM
10H0653-08	10-8		08/14/2010 11:04	8/16/2010 9:50:00AM
10H0653-09	10-9		08/14/2010 11:12	8/16/2010 9:50:00AM
10H0653-10	10-10		08/14/2010 11:20	8/16/2010 9:50:00AM
10H0653-11	10-1A		08/14/2010 09:37	8/16/2010 9:50:00AM
10H0653-12	10-2A		08/14/2010 10:00	8/16/2010 9:50:00AM
10H0653-13	10-3A		08/14/2010 10:15	8/16/2010 9:50:00AM
10H0653-14	10-4A		08/14/2010 10:25	8/16/2010 9:50:00AM
10H0653-15	10-5A		08/14/2010 10:35	8/16/2010 9:50:00AM
10H0653-16	10-6A		08/14/2010 10:42	8/16/2010 9:50:00AM
10H0653-17	10-7A		08/14/2010 10:45	8/16/2010 9:50:00AM
10H0653-18	10-8A		08/14/2010 11:04	8/16/2010 9:50:00AM
10H0653-19	10-9A		08/14/2010 11:12	8/16/2010 9:50:00AM
10H0653-20	10-10A		08/14/2010 11:20	8/16/2010 9:50:00AM



## Analytical Results

Date: Monday, August 23, 2010

Client: Arcelor Mittal USA, Inc.  
Client Project: Dock Water  
Client Sample ID: 10-1  
Sample Description:  
Matrix: Aqueous

Work Order/ID: 10H0653-01  
Sampled: 08/14/2010 9:37  
Received: 08/16/2010 9:50

Analyses	AT	Result	RL	Qual	Units	DF	Analyzed
		Method: EPA 350.1 Rev 2.0				Analyst: ARCEL	
Nitrogen, Ammonia as N		Prep Method: Aqueous Ammonia Distillation				Prep Date/Time: 08/16/2010 05:45	
Nitrogen, Ammonia (As N)	A	6.3	0.10		mg/L	1	08/16/2010 9:50





## Analytical Results

Date: Monday, August 23, 2010

Client: Arcelor Mittal USA, Inc.

Client Project: Dock Water

Client Sample ID: 10-2

Sample Description:

Matrix: Aqueous

Work Order/ID: 10H0653-02

Sampled: 08/14/2010 10:00

Received: 08/16/2010 9:50

Analyses	AT	Result	RL	Qual	Units	DF	Analyzed
Method: EPA 350.1 Rev 2.0			Analyst: ARCEL				
Prep Method: Aqueous Ammonia Distillation			Prep Date/Time: 08/18/2010 05:45				
Nitrogen, Ammonia as N							
Nitrogen, Ammonia (As N)	A	8.0	0.10		mg/L	1	08/18/2010 9:52



## Analytical Results

Date: Monday, August 23, 2010

Client: Arcelor Mittal USA, Inc.  
Client Project: Dock Water  
Client Sample ID: 10-3  
Sample Description:  
Matrix: Aqueous

Work Order/ID: 10H0653-03  
Sampled: 08/14/2010 10:15  
Received: 08/16/2010 9:50

Analyses	AT	Result	RL	Qual	Units	DF	Analyzed
		Method: EPA 350.1 Rev 2.0				Analyst: ARCEL	
Nitrogen, Ammonia as N		Prep Method: Aqueous Ammonia Distillation				Prep Date/Time: 08/18/2010 05:45	
Nitrogen, Ammonia (As N)	A	8.1	0.10		mg/L	1	08/18/2010 9:54



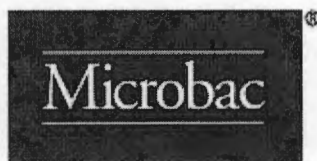
## Analytical Results

Date: Monday, August 23, 2010

Client: Arcelor Mittal USA, Inc.  
Client Project: Dock Water  
Client Sample ID: 10-4  
Sample Description:  
Matrix: Aqueous

Work Order/ID: 10H0653-04  
Sampled: 08/14/2010 10:25  
Received: 08/16/2010 9:50

Analyses	AT	Result	RL	Qual	Units	DF	Analyzed
		Method: EPA 350.1 Rev 2.0				Analyst: ARCEL	
Nitrogen, Ammonia as N		Prep Method: Aqueous Ammonia Distillation				Prep Date/Time: 08/19/2010 06:45	
Nitrogen, Ammonia (As N)	A	5.6	0.10		mg/L	1	08/19/2010 10:51



## Analytical Results

Date: Monday, August 23, 2010

Client: Arcelor Mittal USA, Inc.

Client Project: Dock Water

Client Sample ID: 10-5

Sample Description:

Matrix: Aqueous

Work Order/ID: 10H0653-05

Sampled: 08/14/2010 10:35

Received: 08/16/2010 9:50

Analyses	AT	Result	RL	Qual	Units	DF	Analyzed
		Method: EPA 350.1 Rev 2.0				Analyst: ARCEL	
Nitrogen, Ammonia as N		Prep Method: Aqueous Ammonia Distillation				Prep Date/Time: 08/19/2010 06:45	
Nitrogen, Ammonia (As N)	A	0.29	0.10		mg/L	1	08/19/2010 10:53



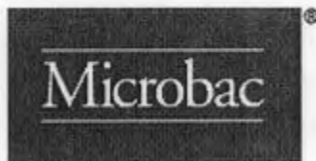
## Analytical Results

Date: Monday, August 23, 2010

Client: Arcelor Mittal USA, Inc.  
Client Project: Dock Water  
Client Sample ID: 10-6  
Sample Description:  
Matrix: Aqueous

Work Order/ID: 10H0653-06  
Sampled: 08/14/2010 10:42  
Received: 08/16/2010 9:50

Analyses	AT	Result	RL	Qual	Units	DF	Analyzed
Method: EPA 350.1 Rev 2.0			Analyst: ARCEL				
Prep Method: Aqueous Ammonia Distillation			Prep Date/Time: 08/19/2010 06:45				
Nitrogen, Ammonia as N							
Nitrogen, Ammonia (As N)	A	8.2	0.10		mg/L	1	08/19/2010 10:59



## Analytical Results

Date: Monday, August 23, 2010

Client: Arcelor Mittal USA, Inc.  
Client Project: Dock Water  
Client Sample ID: 10-7  
Sample Description:  
Matrix: Aqueous

Work Order/ID: 10H0653-07  
Sampled: 08/14/2010 10:45  
Received: 08/16/2010 9:50

Analyses	AT	Result	RL	Qual	Units	DF	Analyzed
Method: EPA 350.1 Rev 2.0			Analyst:ARCEL				
Prep Method: Aqueous Ammonia Distillation			Prep Date/Time: 08/19/2010 06:45				
Nitrogen, Ammonia as N							
Nitrogen, Ammonia (As N)	A	8.4	0.10		mg/L	1	08/19/2010 11:01





## Analytical Results

Date: Monday, August 23, 2010

Client: Arcelor Mittal USA, Inc.

Client Project: Dock Water

Client Sample ID: 10-8

Sample Description:

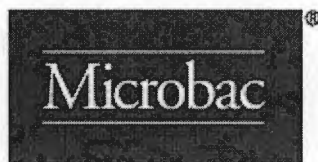
Matrix: Aqueous

Work Order/ID: 10H0653-08

Sampled: 08/14/2010 11:04

Received: 08/16/2010 9:50

Analyses	AT	Result	RL	Qual	Units	DF	Analyzed
Method: EPA 350.1 Rev 2.0			Analyst: ARCEL				
Prep Method: Aqueous Ammonia Distillation			Prep Date/Time: 08/19/2010 06:45				
Nitrogen, Ammonia as N							
Nitrogen, Ammonia (As N)	A	12	0.10		mg/L	1	08/19/2010 11:03



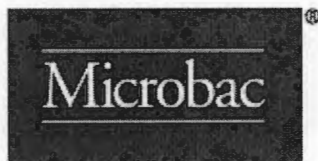
## Analytical Results

Date: Monday, August 23, 2010

Client: Arcelor Mittal USA, Inc.  
Client Project: Dock Water  
Client Sample ID: 10-9  
Sample Description:  
Matrix: Aqueous

Work Order/ID: 10H0653-09  
Sampled: 08/14/2010 11:12  
Received: 08/16/2010 9:50

Analyses	AT	Result	RL	Qual	Units	DF	Analyzed
		Method: EPA 350.1 Rev 2.0				Analyst: ARCEL	
Nitrogen, Ammonia as N		Prep Method: Aqueous Ammonia Distillation				Prep Date/Time: 08/19/2010 06:45	
Nitrogen, Ammonia (As N)	A	1.9	0.10		mg/L	1	08/19/2010 11:05



## Analytical Results

Date: Monday, August 23, 2010

Client: Arcelor Mittal USA, Inc.

Client Project: Dock Water

Client Sample ID: 10-10

Sample Description:

Matrix: Aqueous

Work Order/ID: 10H0653-10

Sampled: 08/14/2010 11:20

Received: 08/16/2010 9:50

Analyses	AT	Result	RL	Qual	Units	DF	Analyzed
		Method: EPA 350.1 Rev 2.0				Analyst: ARCEL	
Nitrogen, Ammonia as N		Prep Method: Aqueous Ammonia Distillation				Prep Date/Time: 08/19/2010 06:45	
Nitrogen, Ammonia (As N)	A	0.52	0.10		mg/L	1	08/19/2010 11:10



## Analytical Results

Date: Monday, August 23, 2010

Client: Arcelor Mittal USA, Inc.  
Client Project: Dock Water  
Client Sample ID: 10-1A  
Sample Description:  
Matrix: Aqueous

Work Order/ID: 10H0653-11  
Sampled: 08/14/2010 9:37  
Received: 08/16/2010 9:50

Analyses	AT	Result	RL	Qual	Units	DF	Analyzed
Method: EPA 350.1 Rev 2.0			Analyst: ARCEL				
Prep Method: Aqueous Ammonia Distillation			Prep Date/Time: 08/19/2010 06:45				
Nitrogen, Ammonia as N							
Nitrogen, Ammonia (As N)	A	6.4	0.10		mg/L	1	08/19/2010 11:16



## Analytical Results

Date: Monday, August 23, 2010

Client: Arcelor Mittal USA, Inc.  
Client Project: Dock Water  
Client Sample ID: 10-2A  
Sample Description:  
Matrix: Aqueous

Work Order/ID: 10H0653-12  
Sampled: 08/14/2010 10:00  
Received: 08/16/2010 9:50

Analyses	AT	Result	RL	Qual	Units	DF	Analyzed
Method: EPA 350.1 Rev 2.0			Analyst: ARCEL				
Prep Method: Aqueous Ammonia Distillation			Prep Date/Time: 08/19/2010 06:45				
Nitrogen, Ammonia as N							
Nitrogen, Ammonia (As N)	A	8.2	0.10		mg/L	1	08/19/2010 11:18



## Analytical Results

Date: Monday, August 23, 2010

Client: Arcelor Mittal USA, Inc.  
Client Project: Dock Water  
Client Sample ID: 10-3A  
Sample Description:  
Matrix: Aqueous

Work Order/ID: 10H0653-13  
Sampled: 08/14/2010 10:15  
Received: 08/16/2010 9:50

Analyses	AT	Result	RL	Qual	Units	DF	Analyzed
		Method: EPA 350.1 Rev 2.0				Analyst: ARCEL	
Nitrogen, Ammonia as N		Prep Method: Aqueous Ammonia Distillation				Prep Date/Time: 08/20/2010 06:45	
Nitrogen, Ammonia (As N)	A	9.1	0.10		mg/L	1	08/20/2010 8:40





## Analytical Results

Date: Monday, August 23, 2010

Client: Arcelor Mittal USA, Inc.  
Client Project: Dock Water  
Client Sample ID: 10-4A  
Sample Description:  
Matrix: Aqueous

Work Order/ID: 10H0653-14  
Sampled: 08/14/2010 10:25  
Received: 08/16/2010 9:50

Analyses	AT	Result	RL	Qual	Units	DF	Analyzed
Method: EPA 350.1 Rev 2.0						Analyst: ARCEL	
Prep Method: Aqueous Ammonia Distillation						Prep Date/Time: 08/20/2010 05:45	
Nitrogen, Ammonia as N							
Nitrogen, Ammonia (As N)	A	5.6	0.10		mg/L	1	08/20/2010 8:46



## Analytical Results

Date: Monday, August 23, 2010

Client: Arcelor Mittal USA, Inc.  
Client Project: Dock Water  
Client Sample ID: 10-5A  
Sample Description:  
Matrix: Aqueous

Work Order/ID: 10H0653-15  
Sampled: 08/14/2010 10:35  
Received: 08/16/2010 9:50

Analyses	AT	Result	RL	Qual	Units	DF	Analyzed
		Method: EPA 350.1 Rev 2.0				Analyst: ARCEL	
Nitrogen, Ammonia as N		Prep Method: Aqueous Ammonia Distillation				Prep Date/Time: 08/20/2010 05:45	
Nitrogen, Ammonia (As N)	A	0.32	0.10		mg/L	1	08/20/2010 8:48



## Analytical Results

Date: Monday, August 23, 2010

Client: Arcelor Mittal USA, Inc.  
Client Project: Dock Water  
Client Sample ID: 10-6A  
Sample Description:  
Matrix: Aqueous

Work Order/ID: 10H0653-16  
Sampled: 08/14/2010 10:42  
Received: 08/16/2010 9:50

Analyses	AT	Result	RL	Qual	Units	DF	Analyzed
Method: EPA 350.1 Rev 2.0			Analyst: ARCEL				
Prep Method: Aqueous Ammonia Distillation			Prep Date/Time: 08/20/2010 06:45				
Nitrogen, Ammonia as N	A	8.1	0.10		mg/L	1	08/20/2010 8:50



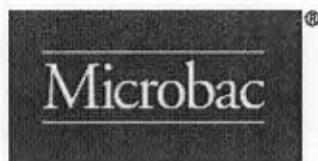
## Analytical Results

Date: Monday, August 23, 2010

Client: Arcelor Mittal USA, Inc.  
Client Project: Dock Water  
Client Sample ID: 10-7A  
Sample Description:  
Matrix: Aqueous

Work Order/ID: 10H0653-17  
Sampled: 08/14/2010 10:45  
Received: 08/16/2010 9:50

Analyses	AT	Result	RL	Qual	Units	DF	Analyzed
Method: EPA 350.1 Rev 2.0			Analyst: ARCEL				
Prep Method: Aqueous Ammonia Distillation			Prep Date/Time: 08/20/2010 05:45				
Nitrogen, Ammonia as N							
Nitrogen, Ammonia (As N)	A	8.4	0.10		mg/L	1	08/20/2010 8:52



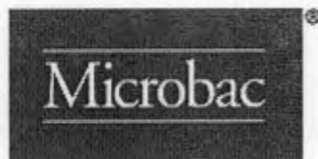
## Analytical Results

Date: Monday, August 23, 2010

Client: Arcelor Mittal USA, Inc.  
Client Project: Dock Water  
Client Sample ID: 10-8A  
Sample Description:  
Matrix: Aqueous

Work Order/ID: 10H0653-18  
Sampled: 08/14/2010 11:04  
Received: 08/16/2010 9:50

Analyses	AT	Result	RL	Qual	Units	DF	Analyzed
Method: EPA 350.1 Rev 2.0			Analyst: ARCEL				
Prep Method: Aqueous Ammonia Distillation			Prep Date/Time: 08/20/2010 05:45				
Nitrogen, Ammonia as N	A	12	0.10		mg/L	1	08/20/2010 8:54



## Analytical Results

Date: Monday, August 23, 2010

Client: Arcelor Mittal USA, Inc.

Client Project: Dock Water

Client Sample ID: 10-9A

Sample Description:

Matrix: Aqueous

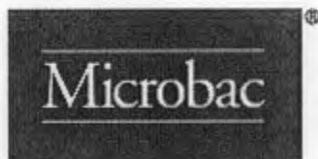
Work Order/ID: 10H0653-19

Sampled: 08/14/2010 11:12

Received: 08/16/2010 9:50

Analyses	AT	Result	RL	Qual	Units	DF	Analyzed
		Method: EPA 350.1 Rev 2.0		Analyst: ARCEL			
Nitrogen, Ammonia as N		Prep Method: Aqueous Ammonia Distillation		Prep Date/Time: 08/23/2010 05:10			
Nitrogen, Ammonia (As N)	A	1.6	0.10		mg/L	1	08/23/2010 10:06





## Analytical Results

Date: Monday, August 23, 2010

Client: Arcelor Mittal USA, Inc.  
Client Project: Dock Water  
Client Sample ID: 10-10A  
Sample Description:  
Matrix: Aqueous

Work Order/ID: 10H0653-20  
Sampled: 08/14/2010 11:20  
Received: 08/16/2010 9:50

Analyses	AT	Result	RL	Qual	Units	DF	Analyzed
Method: EPA 350.1 Rev 2.0			Analyst: ARCEL				
Prep Method: Aqueous Ammonia Distillation			Prep Date/Time: 08/23/2010 05:10				
Nitrogen, Ammonia as N							
Nitrogen, Ammonia (As N)	A	0.55	0.10		mg/L	1	08/23/2010 10:08

## FLAGS, FOOTNOTES AND ABBREVIATIONS (as needed)

NA	=	Not Analyzed
mg/L	=	Milligrams per Liter (ppm)
mg/Kg	=	Milligrams per Kilogram (ppm)
U	=	Undetected
J	=	Analyte concentration detected between RL and MDL (Metals / Organics)
B	=	Detected in the associated method Blank at a concentration above the routine PQL/RL
D	=	Dilution performed on sample
ND	=	Not Detected at the Reporting Limit (or the Method Detection Limit, if used)
E	=	Value above quantitation range
H	=	Analyte was prepared and/or analyzed outside of the analytical method holding time
I	=	Matrix Interference
R	=	RPD outside accepted recovery limits
S	=	Spike recovery outside recovery limits
Sur	=	Surrogate
DF	=	Dilution Factor

## ANALYTE TYPES

A,B	=	Target Analyte
I	=	Internal Standard
M	=	Summation Analyte
S	=	Surrogate
T	=	Tentatively Identified Compound (TIC, concentration estimated)

## QC SAMPLE IDENTIFICATIONS

MBLK	=	Method Blank	ICSA	=	Interference Check Standard "A"
DUP	=	Method Duplicate	ICSAB	=	Interference Check Standard "AB"
LCS	=	Laboratory Control Sample	LCSD	=	Laboratory Control Sample Duplicate
BS	=	Method Blank Spike	BSD	=	Method Blank Spike Duplicate
MS	=	Matrix Spike	MSD	=	Matrix Spike Duplicate
ICB	=	Initial Calibration Blank	CCB	=	Continuing Calibration Blank
ICV	=	Initial Calibration Verification	CCV	=	Continuing Calibration Verification
PDS	=	Post Digestion Spike	SD	=	Serial Dilution
OPR	=	Ongoing Precision and Recovery Standard			

## CERTIFICATIONS

Below is a list of certifications maintained by the Microbac Merrillville Laboratory. All data included in this report has been reviewed for and meets all project specific and quality control requirements of the applicable accreditation, unless otherwise noted. Complete lists of individual analytes pursuant to each certification below are available upon request.

Illinois EPA for the analysis wastewater and solid waste in accordance with the requirements of the National Environmental Laboratory Accreditation Program [NELAP] (accreditation #100435)

Illinois Department of Public Health for the microbiological analysis of drinking water (registry #1755266)

Indiana DEM approved support laboratory for solid waste and wastewater analyses

Indiana SDH for the chemical analysis of drinking water (lab #C-45-03)

Indiana SDH for the microbiological analysis of drinking water (lab #M-45-8)

Kentucky DEP for the chemical analysis of drinking water (lab #90147)

Kentucky EPPC for the analysis of samples applicable to the Underground Storage Tank program (lab #75)

\*New York SDH for the chemical analysis of air and emissions (lab #11909)

North Carolina DENR for the environmental analysis for NPDES effluent, surface water, groundwater, and pretreatment regulations (certificate #597)

Tennessee DEC for the chemical analysis of drinking water (lab #04017)

Wisconsin DNR for the chemical analysis of wastewater and solid waste (lab #998036710)



# COOLER INSPECTION

Client Name: Arcelor Mittal USA, Inc.

Work Order Number: 10H0653

Checklist completed by: 8/16/2010 10:23:00AM Ken Smith

Date: Monday, August 23, 2010

Date/Time Received: 08/16/2010 09:50

Received by: Dave Bryant

Reviewed by: 8/16/2010 CAG

Carrier Name: Client Delivered

Cooler ID: Default Cooler

Container/Temp Blank Temperature: 6.00°C

After-Hour Arrival?  
Shipping container/cooler in good condition?  
Custody seals intact on shipping container/cooler?  
Custody seals intact on sample containers?  
COC present?  
COC included sufficient client identification?  
COC included sufficient sample collector information?  
COC included a sample description?  
COC agrees with sample labels?  
COC identified the appropriate matrix?  
COC included date of collection?  
COC included time of collection?  
COC identified the appropriate number of containers?  
Samples in proper container/bottle?  
Sample containers intact?  
Sufficient sample volume for indicated test?  
All samples received within holding time?  
If the samples are preserved, are the preservatives identified?  
COC included the requested analyses?

Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>	
Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	Not Present <input type="checkbox"/>
Yes	<input type="checkbox"/>	No	<input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Yes	<input type="checkbox"/>	No	<input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	

If No, adjusted by? \_\_\_\_\_

COC signed when relinquished and received?  
Samples received on ice?  
Samples properly preserved?  
Voa vials for aqueous samples have zero headspace?

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
Yes	<input type="checkbox"/>	No	<input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/>

Cooler Comments: \_\_\_\_\_

ANY "NO" EVALUATION (excluding After-Hour Receipt) REQUIRES CLIENT NOTIFICATION.



Sample ID	Client Sample ID	Comments
10H0653-01	10-1	
10H0653-02	10-2	
10H0653-03	10-3	
10H0653-04	10-4	
10H0653-05	10-5	
10H0653-06	10-6	
10H0653-07	10-7	
10H0653-08	10-8	
10H0653-09	10-9	
10H0653-10	10-10	
10H0653-11	10-1A	
10H0653-12	10-2A	
10H0653-13	10-3A	
10H0653-14	10-4A	
10H0653-15	10-5A	
10H0653-16	10-6A	
10H0653-17	10-7A	
10H0653-18	10-8A	
10H0653-19	10-9A	
10H0653-20	10-10A	



Microbac

Samples Submitted to: ☒ 250 West 84th Drive  
Merrillville, IN 46410

Tel: 219-769-8378

Fax: 219-769-1664

☐ 5713 West 85th Street  
Indianapolis, IN 46278

Tel: 317-872-1375

Fax: 317-872-1379

## Chain of Custody Record

Number 98041

Instructions on back

Client Name <u>ARCELOR MITAL</u>	Project <u>DOCK WALL</u>	Turnaround Time	Report Type
Address <u>250 W. US HWY 12</u>	Location <u>EAST HARBOR</u>	<input checked="" type="checkbox"/> Routine (7 working days)	<input type="checkbox"/> Results Only <input type="checkbox"/> Level II
City, State, Zip <u>BURNS HARBOR IN 46304</u>	PO #	<input type="checkbox"/> RUSH* (notify lab)	<input type="checkbox"/> Level III <input type="checkbox"/> Level III CLP-like
Contact <u>TERI KIRK</u>	Compliance Monitoring? <input checked="" type="checkbox"/> Yes(1) <input type="checkbox"/> No	(needed by)	<input type="checkbox"/> Level IV <input type="checkbox"/> Level IV CLP-like
Telephone # <u>219-787-4643</u>	(1) Agency/Program <u>USEPA</u>		<input type="checkbox"/> EDD

Sampled by (PRINT) <u>STEVEN STANFORD</u>	Sampler Signature <u>[Signature]</u>	Sampler Phone # <u>219-808-3609</u>
Send Report via <input type="checkbox"/> Mail <input type="checkbox"/> Telephone <input type="checkbox"/> Fax (fax #)	<input checked="" type="checkbox"/> e-mail (address) <u>Theresa.Kirk@arcelormittal.com</u>	

\* Matrix Types: Soil/Solid (S), Sludge, Oil, Wipe, Drinking Water (DW), Groundwater (GW), Surface Water (SW), Waste Water (WW), Other (specify) ssstanford@waterbas.com\*\* Preservative Types: (1) HNO<sub>3</sub>, (2) H<sub>2</sub>SO<sub>4</sub>, (3) HCl, (4) NaOH, (5) Zinc Acetate, (6) Methanol, (7) Sodium Bisulfate, (8) Sodium Thiosulfate, (9) Hexane, (U) Unpreserved

Client Sample ID	Matrix*	Grab	Composite	Filtrated	Date Collected	Time Collected	No. of Containers	Requested Analyses Preservative Types**	Ammonia	For Lab Use Only									
10-1	GW	X		N	8-14-10	0937	1	H <sub>2</sub> SO <sub>4</sub>	X										10140653
10-2						1000													01
10-3						1015													02
10-4						1025													03
10-5						1035													04
10-6						1042													05
10-7						1045													06
10-8						1104													07
10-9						1112													08
10-10						1120													09
																			10

Possible Hazard Identification <input type="checkbox"/> Hazardous <input checked="" type="checkbox"/> Non-Hazardous <input type="checkbox"/> Radioactive	Sample Disposition <input checked="" type="checkbox"/> Dispose as appropriate <input type="checkbox"/> Return <input type="checkbox"/> Archive
Comments <u>CONTACT TERI KIRK FOR AUTHORIZATION</u> <u>COPY OF REPORT TO STEVEN STANFORD</u>	Relinquished By (signature) <u>[Signature]</u> Date/Time <u>8/16/2010 0950</u>
	Relinquished By (signature) Date/Time
	Relinquished By (signature) Date/Time
Sample temperature upon receipt in degrees C =	Received By (signature) Date/Time <u>8/16/10 0920</u>
	Received for Lab By (signature) Date/Time



Microbac

Samples Submitted to: ☐ 250 West 84th Drive  
Merrillville, IN 46410  
Tel: 219-769-8378  
Fax: 219-769-1664

☐ 5713 West 85th Street  
Indianapolis, IN 46278  
Tel: 317-872-1375  
Fax: 317-872-1379

## Chain of Custody Record

Number 98042

Instructions on back

Client Name <u>ARCELOR MITTAL</u>	Project <u>DOCK WALK</u>	Turnaround Time	Report Type
Address <u>250 W US HWY 12</u>	Location <u>EAST HARBOR</u>	<input checked="" type="checkbox"/> Routine (7 working days)	<input type="checkbox"/> Results Only <input type="checkbox"/> Level II
City, State, Zip <u>BURNS HARBOR IN 46304</u>	PO #	<input type="checkbox"/> RUSH* (notify lab)	<input type="checkbox"/> Level III <input type="checkbox"/> Level III CLP-like
Contact <u>TERI KIRK</u>	Compliance Monitoring? <input checked="" type="checkbox"/> Yes(1) <input type="checkbox"/> No	(needed by)	<input type="checkbox"/> Level IV <input type="checkbox"/> Level IV CLP-like
Telephone # <u>219-767-4643</u>	(1) Agency/Program <u>USEPA</u>		<input type="checkbox"/> EDD

Sampled by (PRINT) STEVEN STANKO Sampler Signature [Signature] Sampler Phone # 219-808-3608

Send Report via ☐ Mail ☐ Telephone ☐ Fax (fax #) ☐ e-mail (address) Theresa.Kirk@arcelor-mittal.com

\* Matrix Types: Soil/Solid (S), Sludge, Oil, Wipe, Drinking Water (DW), Groundwater (GW), Surface Water (SW), Waste Water (WW), Other (specify) Stankofka@weaverhous.com  
 \*\* Preservative Types: (1) HNO<sub>3</sub>, (2) H<sub>2</sub>SO<sub>4</sub>, (3) HCl, (4) NaOH, (5) Zinc Acetate, (6) Methanol, (7) Sodium Bisulfate, (8) Sodium Thiosulfate, (9) Hexane, (U) Unpreserved

Client Sample ID	Matrix*	Grab	Composite	Filtered	Date Collected	Time Collected	No. of Containers	Requested Analyses Preservative Types **	Ammonia									For Lab Use Only
10-1A	SW	X		N	8-14-10	0937	1	H <sub>2</sub> SO <sub>4</sub>	X									11
10-2A						1000												12
10-3A						1015												13
10-4A						1025												14
10-5A						1035												15
10-6A						1042												16
10-7A						1045												17
10-8A						1104												18
10-9A						1112												19
10-10A						1120												20

Possible Hazard Identification <input type="checkbox"/> Hazardous <input type="checkbox"/> Non-Hazardous <input type="checkbox"/> Radioactive	Sample Disposition <input type="checkbox"/> Dispose as appropriate <input type="checkbox"/> Return <input type="checkbox"/> Archive
Comments <u>CONTACT TERI KIRK FOR AUTHORIZATION</u> <u>RECEIVED REPORT TO STEVEN STANKO</u>	Relinquished By (signature) <u>[Signature]</u> Date/Time <u>8/16/2010 0950</u>
	Relinquished By (signature) <u>[Signature]</u> Date/Time
	Relinquished By (signature) <u>[Signature]</u> Date/Time
Sample temperature upon receipt in degrees C =	Received By (signature) <u>[Signature]</u> Date/Time <u>8/16/2010 0950</u>